PCT10

RAW SEQUENCE LISTING   DATE: 06/12/2003
PATENT APPLICATION: US/10/009,317A   TIME: 12:43:17

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Output Set: N:\CRF4\06122003\J009317A.raw

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 3 <110> APPLICANT: Selsted, Micheal E.
 4        Tang, Yi-Quan
 5        Yuan, Jun
 6        The Regents of the University of California
 8 <120> TITLE OF INVENTION: Antimicrobial Theta Defensins and Methods of Using Same
10 <130> FILE REFERENCE: P-UC 5042
12 <140> CURRENT APPLICATION NUMBER: US 10/009,317A
13 <141> CURRENT FILING DATE: 2003-02-28
15 <150> PRIOR APPLICATION NUMBER: US 09/309,482
16 <151> PRIOR FILING DATE: 1999-05-10
18 <150> PRIOR APPLICATION NUMBER: PCT/US00/12842
19 <151> PRIOR FILING DATE: 2000-05-10
21 <160> NUMBER OF SEQ ID NOS: 34
23 <170> SOFTWARE: PatentIn Ver. 2.0
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61 <213> ORGANISM: Macaca mulatta
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C--> 13 **<141> CURRENT FILING DATE: 2003-02-28**

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81 <213> ORGANISM: Macaca mulatta
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136 <212> TYPE: PRT
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172 actctgccta acttgaggat ctgtcactcc agcc atg agg acc ttc gcc ctc ctc 115
173                                     Met Arg Thr Phe Ala Leu Leu
174                                      1               5
176 acc gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt   163
177 Thr Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg
178         10              15              20
180 cag gca aga gct gat gaa gct gcc gcc cag cag cag cct gga aca gat   211
181 Gln Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Thr Asp
182       25              30              35
184 gat cag gga atg gct cat tcc ttt aca tgg cct gaa aac gcc gct ctt   259
185 Asp Gln Gly Met Ala His Ser Phe Thr Trp Pro Glu Asn Ala Ala Leu
186  40              45              50              55
188 cca ctt tca gag tca gcg aaa ggc ttg agg tgc att tgc aca cga gga   307
189 Pro Leu Ser Glu Ser Ala Lys Gly Leu Arg Cys Ile Cys Thr Arg Gly
190               60              65              70
192 ttc tgc cgt ttg tta taa tgtcaccttg ggtcctgcgc ttttcgtggt         355
193 Phe Cys Arg Leu Leu
194               75
196 tgactccacc ggatctgctg ccgctgagct tccagaatca agaaaaatat gctcagaagt 415
198 tactttgaga gttaaaagaa attcttgcta ctgctgtacc ttctcctcag tttccttttc 475
200 tcatcccaaa taaatacctt atcgc                                       500
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210  1              5                 10                15
212 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
213               20                25                30
215 Gln Gln Gln Pro Gly Thr Asp Asp Gln Gly Met Ala His Ser Phe Thr
216          35                40                45
218 Trp Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Lys Gly Leu
219      50                55                60
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222  65                70                75
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232 <222> LOCATION: (90)..(320)
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237 actctgccta acttgaggat ctgccagcc atg agg acc ttc gcc ctc ctc acc    113
238                                 Met Arg Thr Phe Ala Leu Leu Thr
239                                  1               5
241 gcc atg ctt ctc ctg gtg gcc ctg cac gct cag gca gag gca cgt cag   161
242 Ala Met Leu Leu Leu Val Ala Leu His Ala Gln Ala Glu Ala Arg Gln
243      10                15                20
245 gca aga gct gat gaa gct gcc gcc cag cag cag cct gga gca gat gat   209
246 Ala Arg Ala Asp Glu Ala Ala Ala Gln Gln Gln Pro Gly Ala Asp Asp
247  25                30                35                40
249 cag gga atg gct cat tcc ttt aca cgg cct gaa aac gcc gct ctt ccg   257
250 Gln Gly Met Ala His Ser Phe Thr Arg Pro Glu Asn Ala Ala Leu Pro
251                45                50                55
253 ctt tca gag tca gcg aga ggc ttg agg tgc ctt tgc aga cga gga gtt   305
254 Leu Ser Glu Ser Ala Arg Gly Leu Arg Cys Leu Cys Arg Arg Gly Val
255                60                65                70
257 tgc caa ctg tta taa aggcgtttgg ggtcctgcgc ttttcgtggt tgactctgcc   360
258 Cys Gln Leu Leu
259          75
261 ggatctgctg ccgctgagct tccagaatca agaaaaatac gctcagaagt tactttgaga 420
263 gttgaaagaa attcctgtta ctcctgtacc ttgtcctcaa tttccttttc tcatcccaaa 480
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269 <211> LENGTH: 76
270 <212> TYPE: PRT
271 <213> ORGANISM: Macaca mulatta
273 <400> SEQUENCE: 16
274 Met Arg Thr Phe Ala Leu Leu Thr Ala Met Leu Leu Leu Val Ala Leu
275  1               5                 10                15
277 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
278               20                25                30
280 Gln Gln Gln Pro Gly Ala Asp Asp Gln Gly Met Ala His Ser Phe Thr
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281         35                    40                    45
283 Arg Pro Glu Asn Ala Ala Leu Pro Leu Ser Glu Ser Ala Arg Gly Leu
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287 65                 70                 75
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 27
292 <212> TYPE: DNA
293 <213> ORGANISM: Macaca mulatta
295 <220> FEATURE:
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297 <222> LOCATION: (1)..(27)
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308 <213> ORGANISM: Macaca mulatta
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311 Arg Cys Ile Cys Thr Arg Gly Phe Cys
312   1               5
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316 <211> LENGTH: 27
317 <212> TYPE: DNA
318 <213> ORGANISM: Macaca mulatta
320 <220> FEATURE:
321 <221> NAME/KEY: CDS
322 <222> LOCATION: (1)..(27)
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337   1               5
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341 <211> LENGTH: 92
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343 <213> ORGANISM: Macaca mulatta
345 <400> SEQUENCE: 21
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347   1           5                   10                  15
349 His Ala Gln Ala Glu Ala Arg Gln Ala Arg Ala Asp Glu Ala Ala Ala
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 06/12/2003
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